

**Catalogue of Manmade Material on the Moon**  
**NASA History Program Office**  
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For the past half-century, the Moon has been the destination of some of humankind's most monumental and challenging expeditions. As the Moon becomes more accessible to both national space programs and private enterprise, it is important that we protect lunar artifacts for both their historic and scientific value. The first step in preserving these artifacts is establishing exactly what is there and where it is. This resource offers a comprehensive catalogue of human artifacts on the Moon based on the currently available data.

**U.S. Material (Non-Apollo)**

OBJECT	LOCATION
Ranger 4	-15.5 ° N, -130.7 E
Ranger 6	9.388 ° N, 21.480 ° E
Ranger 7	-10.63 ° N, -20.60 ° E
Ranger 8	2.638 ° N, 24.787 ° E
Ranger 9	112.828 ° N, -2.387 ° E
Surveyor 1	-2.474 ° N, -43.339 ° E
Lunar Orbiter 1	6.70 ° N, 162 ° E
Surveyor 2	5.5 ° N, -12 ° E
Lunar Orbiter 2	3.0 ° N, 119 ° E
Lunar Orbiter 3	14.3 ° N, -97.7 E
Surveyor 3	-3.015 ° N, -23.418 ° E
Lunar Orbiter 4	Crashed
Surveyor 4	UNKNOWN
Explorer 35 (IMP-E)	UNKNOWN
Lunar Orbiter 5	-3 ° N, -83 ° E
Surveyor 5	1.461 ° N, 23.195 ° E
Surveyor 6	0.473 ° N, -1.427 ° E
Surveyor 7	-40.980 ° N, -11.509 ° E
Explorer 49 (RAE-B)	UNKNOWN
Lunar Prospector	UNKNOWN
LCROSS Shepherding Spacecraft	-84.72 ° N, -49.62 ° E (South Pole)
LCROSS Centaur	-84.9 ° N, -35.5 ° E (South Pole)

## U.S. Material (Apollo)

OBJECT	LOCATION
<b><i>Apollo 11 - Landing Location: 0.41 ° N, 23.26 ° E</i></b>	
Passive Seismic Experiment (see below)	
Gold Olive Branch [1]	
Flag Kit [1]	
Apollo 1 Patch(Honoring deceased astronauts Grissom,White, Chaffee)[1]	
CosmonautMedals(Honoring deceased cosmonauts Gagarin,Komarov)[2]	
Moon Memorial Disc [1]	
Ascent Stage [1]	UNKNOWN
Lunar Retro-Ranging Reflector Experiment [1]	0.67337 ° N, 23.47293 ° E
LM Descent Stage (plaque attached)	0.67408 ° N, 23.47297 ° E
Filter, Polarizing [1]	
Portable Life Support System(PLSS)[2]	
Remote Control Unit (PISS) [2]	
Defecation Collection Device [4]	
Overshoes , Lunar [2]	
Covers, pga Gas Connector [2]	
Kit, Electric waist, Tether [2]	
Bag, Assembly, Lunar equipment conveyor & waist tether [1]	
Conveyor assembly, Lunar Equipment [1]	
Bag, Deployment, Life Line [1]	
Bag, Deployment, Lunar equip. conveyor [1]	
Life Line, lightweight	
Tether waist, EVA [2]	
Tether waist, EVA [2]	
Food Assembly, LM (4 man days) [1]	
TV subsystem, Lunar [1]	
Camera , Lunar TV [1]	
Lens, TV wide angle [1]	
Lens, TV Lunar, day [1]	
Cable assembly, TV (100 ft.) [1]	
Adapter, SRC/OPS [2]	
Cannister, ECS LIOH [2]	
Urine collection assembly, small [2]	
Urine collection assembly, large [2]	
Bag, Emesis [4]	
Container assembly, Disposal [1]	
Filter, Oxygen bacterial [1]	
Container, PLSS Condensate	
Antenna, S-Band [1]	
Cable, S-Band antenna [1]	
Bag, Lunar Equipment Transfer [1]	
Pallet assembly #1 [1]	

Passive seismic experiment [1]	
Central Station	
Pallet Assembly #2	
Primary structure assembly	
Hammer [1]	
Scoop, Lunar sample-large [1]	
Extension handle [1]	
Tongs [1]	
Gnomon (Excludes mount) [1]	

OBJECT	LOCATION
<i>Apollo 12 - Landing Location -3.11 ° N, -23.23 ° E</i>	
Passive Seismic Experiment (see experiment below)	
Lunar Surface Magnetometer (see experiment below)	
Solar Wind Spectrometer (see experiment below)	
Suprathermal Ion Detector/Cold Cathode Gauge (SIDE/CCGE)(see below)	
Radioisotope Thermal Generator (see experiment below)	
Flag Kit [1]	
Surveyor 3 [see above under U.S. Material (Non-Apollo)]	
LM Ascent Stage [1]	-3.94 ° N, -21.20 ° E
Central Station	-3.00942 ° N, -23.42458 ° E
LM Descent Stage (plaque attached) [1]	-3.01239 ° N, -23.42157 ° E
Camera, Lunar Surface, Electric Hasselblad [2]	
Lens , 60mm [2]	
Adapter. Rt. Ang1e,16mm camera [1]	
Cable, Remote Control, 16mm camera [1]	
Protective cover, Reseau [2]	
Trigger, Electric Hasselblad Camera [2]	
Handle, Electric Hasselblad Camera [2]	
Tether , EVA Retractable [2]	
Cutter, for Surveyor Lunar Probe sample [1]	
Remote Control Unit-PLSS [2]	
Bracket, Camera mount [2]	
Cartridge/ Canister, PLSS LIOH [2]	
Battery, PLSS [2]	
Defecation Collection Device [4]	
Overshoes, Lunar pair [2]	
Kit, Lec -Waist tether [1]	
Conveyor assembly, Lunar equipment [1]	
Deployment Bag, Lunar equipment conveyor [1]	
PLSS/EVCS Assembly [1]	
PLSS/EVCS Assembly [1]	
Collection bag, Calibrated, PLSS Feedwater w/scale [1]	
Collection bag, Calib. PLSS Feedwater w/o scale [3]	
Safety Line, Lunar Surface [1]	
Towels, LM utility (Red) [2]	
Towels, LM utility (Blue) [2]	
TV System, LM Color [1]	
Camera, LM Color TV [1]	
Zoom Lens, LM TV [1]	
Cable, LM TV Adapter [1]	
Earplugs [2]	
Adapter, SRC/OPS [2]	
Interim Stowage Assembly [1]	

Canister, ECS LIOH [1]	
Urine Collection Assembly (Small) [1]	
Bag, Emesis [4]	
Container Assembly, Disposal [1]	
Container Assembly, Disposal [1]	
Container, PLSS Condensate [1]	
Antenna, S-Band [1]	
Tripod, TV [1]	
Strap, ECS LIOH Canister [1]	
Bag, Camera Mount Bracket [1]	
Hammock Assembly [1]	
Bracket, Installation Color TV Camera [1]	
Mounting Assembly RTG Fuel Cask [1]	
Fuel Cask [1]	
Fuel Capsule Assembly [1]	
Prime ALSEP Pallet assembly #1 (d)	
Prime ALSEP pallet assembly #2 (e)	
Hammer [1]	
Scoop, Lunar Sample [1]	
Extension Handle [1]	
Tongs [1]	
Gnomon [1]	
Hook, Tether [2]	
Camera, Close-up stereo [1]	
Contrast Target [3]	
Color Chart [1]	
(d)LS Magnetometer experiment [1]	
(d) Passive seismic experiment [1]	
(d) Solar wind experiment [1]	
(e) Radioisotope Thermoelectric Generator Experiment [1]	
(e) Subthermal Ion Detector/CCGE experiment [1]	
(e) PSE leveling stool [1]	
(e) Lunar Geological Hand Tool Carrier w/tools [1]	
Filter, polarizing [1]	
(a) Bag, assembly, LEC - Waist [1]	
(b)PLSS [1]	
(b)EVCS-1 [1]	
(c)PLSS [1]	
(c)EVCS-2 [1]	
Astronaut Wings (C.C. Williams [1], Alan Bean [1])	
Automatic Timer for Hasselblad [1]	

OBJECT	LOCATION
<i>Apollo 13</i>	

S-IVB	-2.553 ° N, 27.887 ° E
OBJECT	LOCATION
<i>Apollo 14 - Landing Location -3.40 ° N, -17.28 ° E</i>	
S-IVB	-8.179 ° N, 26.031 ° E
Passive Seismic Experiment (see below)	
Active Seismic Experiment (see below)	
Lunar Portable Magnetometer (see below)	
Suprathermal Ion Detector/Cold Cathode Gauge (SIDE/CCGE)(see below)	
Charged Particle Lunar Environment Experiment (CPLEE) (see below)	
Radioisotope Thermal Generator (see below)	
Modular Equipment Transporter (see below)	
LM Ascent Stage [1]	-3.42 ° N, -19.67 ° E
Central Station	-3.64398 ° N, -17.47748 ° E
Laser Range Reflector (see below)	-3.64421 ° N, -17.47880 ° E
LM Descent Stage (plaque attached) [1]	-3.64530 ° N, -17.47136 ° E
Filter, Polarizing [1]	
Adapter, Bracket, Right. Angle, 16mm Camera [1]	
Camera, Lunar Surface, Electric Hasselblad [1]	
Lens, 60mm [1]	
Cable, Remote control, 16mm camera [1]	
Protective cover, Reseau [2]	
Trigger, Electric Hasselblad camera [1]	
Handle, Electric Hasselblad camera [1]	
Tether, EVA retractable [2]	
Checklist, EVA cuff [2]	
Brush, lens [1]	
Camera/Power Pack Assembly, 16mm L.S. [1]	
Camera , 16mm, battery operated [1]	
5mm lens, 16mm battery operated camera [1]	
Handle , 16mm battery operated camera [1]	
Power pack, 16mm battery operated camera [1]	
RCU bracket, 16mm battery operated camera [1]	
Remote control unit- PLSS (-6) [2]	
Bracket, Camera mount (-6) [1]	
Cartridge/Canister, PLSS/LIOH (-6) [2]	
Battery, PLSS (-6) [2]	
Defecation Collection Device [4]	
Boots, Lunar [2]	
PLSS/EVCS assembly [1]	
PLSS/EVCS assembly [1]	
Collection bag, calibrated, PLSS Feedwater [1]	
Collection bag, Calibrated, PLSS without Feedwater [1]	
Bag, Jettison stowage [3]	
Safety line , Lunar surface (100 feet ) [1]	

Towels, LM utility (Red) [2]	
Towels, LM utility (Blue) [2]	
Brush , Lunar dust [1]	
Bag, Lunar surface safety line [1]	
Device, in-suit, drinking [2]	
Buddy SLSS Assembly [1]	
TV subsystem, Lunar (subsystem includes (a)) [1]	
TV System, LM color (system includes (b)) [1]	
Camera, Close-up stereo [1]	
Flag kit, Lunar surface [1]	
Transporter, Mobile equipment (MET) [1]	
Earplugs [1 pair]	
Adapter, SRC/Ops [2]	
Canister, ECS LIOH [1]	
Urine collection assembly, small [6]	
Bag, Emesis [4]	
Container assembly, Disposal [2]	
Container, PLSS condensate [1]	
Antenna, S-band [1]	
Tripod , TV [1]	
Strap, ECS LIOH canister [1]	
Bag, Camera mount bracket [1]	
Hammock Assembly [1]	
Hammock Assembly [1]	
Container , Buddy SLSS Assembly-Stowage [1]	
Bag, 16mm Camera-Stowage [1]	
Foam side [1]	
Foam side [1]	
Strap assembly [1]	
Webbing, Tiedown-Contingency [1]	
Pallet assembly, magnetometer [1]	
Strap assembly [1]	
Mounting assembly RTG fuel cask [1]	
Fuel cask [1]	
Fuel capsule assembly [1]	
Pallet assembly No.1 (includes (c)) [1]	
Pallet assembly No.2 (includes (d)) [1]	
Hammer [1]	
Scoop, lunar sample (Large) [1]	
Tool, extension [1]	
Tongs [1]	
Gnomon [1]	
Tool assembly, Trenching-Adjustable [1]	
Scale, sample [1]	
Magnetometer, Lunar portable [1]	

Reflector, Laser ranging retro [1]	
ASE cable anchor (Apollo sample Penetrometer) [1]	
(a) Camera, Lunar TV [1]	
(a) Lens, TV lunar day) [1]	
(a) Cover, Dust, Lens [1]	
(a) Cover, Connector, Dust [1]	
(b) Camera, LM Color TV [1]	
(b) Zoom lens , LM Color TV [1]	
(b) Cable, LM Color TV [1]	
(b) Cover, LM TV lens [1]	
(c) Active Seismic Experiment [1]	
(c) Passive Seismic Experiment [1]	
(c) Charged Particle Lunar Environment Experiment [1]	
(d) Radioisotope Thermoelectric Generator RTG Experiment [1]	
(d) Superthermal Ion Detect./Cold Cathode Gag Experiment [1]	
(d) PSE Leveling Stool [1]	
(d ) Lunar Geol. Experiment Tool Carrier w/tools [1]	
(d) ALSEP Deployment Tools [1]	
Kit, LEC- Waist Tether [1]	
Bag Assembly, Lunar Equipment Conveyor & Waist Tether [1]	
Conveyor Assembly, Lunar Equipment [1]	
Bag, Deployment, Lunar Equipment Conveyor [1]	
Golf balls (2)	
Javelin [1]	



OBJECT	LOCATION
<i>Apollo 15 - Landing Location 26.6 ° N, 3.39 ° E</i>	
S-IVB	-1.288 ° N, -11.824 ° E
Apollo 15 Subsatellite (PFS-2)	UNKNOWN
Passive Seismic Experiment (see below)	
Lunar Surface Magnetometer [1]	
Solar Wind Spectrometer (see below)	
Suprathermal Ion Detector/Cold Cathode Gauge (SIDE/CCGE)	
Heat Flow Experiment (see below)	
Hammer and Feather	
Fallen Astronaut sculpture/plaque	
Ascent Stage [1]	26.36 ° N, 0.25 ° E
Central Station	26.13407 ° N, 3.62981 ° E
Laser Range Reflector (see below)	26.13333 ° N, 3.62837 ° E
LM Descent Stage (plaque attached) [1]	26.13222 ° N, 3.63386 ° E
Filter, Polarizing [1]	
Camera , Hasselblad- Electric Data [1]	
Lens, 60mm [2]	
Protective Cover, Reseau [3]	
Trigger, Hasselblad Electric Data [3]	
Handle, Hasselblad- Electric Data [3]	
Tether, EVA retractable (CDR) [1]	
Brush, Lens [2]	
Camera/Power Pack Assembly, 16mm L.S. [1]	
Camera, 16mm Battery Operated [1]	
Lens, 10mm 16mm Battery Operated Camera [1]	
Handle, 16mm Battery Operated Camera [1]	
Power Pack, 16mm Battery Operated Camera [1]	
RCU Bracket, 16mm Battery Operated Camera [1]	
Tether, EVA Retractable (LMP) [1]	
Camera, L.S. Electric	
Lens, 500mm [1]	
Ringsight [1]	
Garment , Constant wear [2]	
Garment , Liquid cooled [2]	
Remote Control Unit-PLSS (-7) [2]	
Bracket, Camera mount (-7 ) [3]	
Cartridge Container Assembly, PLSS/LIOH	
Container assy., protective-PLSS LIOH [4]	
Cartridge, PLSS LIOH [4]	
Battery , PLSS (-7) [4]	
Boots, Lunar-pair [2]	
Bag Assembly, LEC -Waist [1]	
Conveyor Assembly, Lunar Equipment [1]	

Bag, Deployment, LEC [1]	
PLSS/EVCS Assembly (wet) (includes (a)) [1]	
PLSS/EVCS Assembly (wet ) (includes (b)) [1]	
Bag, Jettison Stowage [4]	
LCG Adapter [2]	
Jacket, Assembly, ICG [2]	
Trouser Assembly, ICG [2]	
Boot, Right ICG [2]	
Boot, Left, ICG [2]	
Safety Line, Lunar Surface (100 ft.) [1]	
Towels, LM utility (Red) [2]	
Towels, LM utility (Blue) [2]	
Brush, Lunar Dust [1]	
Bag, Lunar Surface Safety Line [1]	
Buddy SLSS Assembly [1]	
Sleeping Restraint Assembly [2]	
Tool Carrier, PLSS (CDR) [1]	
Tool Carrier, PLSS (LMP) [1]	
Strap, LCRU Retainer [1]	
Helmet and LEVA Interim Stowage Container Assembly [1]	
Food Assembly, LM(A/S) [1]	
Food Assembly, LM (D/S Pallet) [1]	
Food Assembly LM (D/S Pallet No. 3) [1]	
Wet Wipes , Facial [used of 9]	
GCTA- Ground Controlled TV assembly (includes (c)) [1]	
Communication Relay System (includes (d)) [1]	
Lunar Roving Vehicle (LRV) [1]	
Tool , Deployment- LRV [1]	
Flag Kit, Lunar Surface [1]	
Staff, 16mm camera [1]	
Holder, Map-LRV [1]	
Bag, Stowage-Gnomon [1]	
Adapter Assembly, -20 DSBD 70mm Hasselblad [2]	
Adapter, SCR/Ops [2]	
Cannister, ECS LIOH [2]	
Urine collection assembly, (small) [2]	
Bag, Emesis [6]	
Tripod, TV [1]	
Strap, ECS LIOH Cannister [1]	
Strap, LIOH [1]	
Urine Receptacle System [1]	
Pallet Assembly No. 1, Equipment Transfer [1]	
Pallet Assembly No. 2, Equipment Transfer [1]	
Pallet Assembly No. 4, Equipment Transfer [1]	
Hammock Assembly [1]	

Hammock Assembly [1]	
Container, Buddy SLSS Assembly Stowage [1]	
Foam Side [1]	
Foam Side [1]	
Strap Assembly [1]	
Pallet, LRV Aft Chassis [1]	
Pallet, Quad 3- Payload	
Webbing, Tiedown- contingency [1]	
Vise Device, Drill String [1]	
Bag, stowage- 70mm magazine	
Cannister, ECS LIOH [1]	
Strap Assembly, Sleep Restraint [2]	
Mounting Assembly, RTG Fuel Cask [1]	
Fuel Cask [1]	
Fuel Capsule Assembly [1]	
Pallet Assembly No. 1 [1]	
Experiment, Passive Seismic [1]	
Experiment, Solar Wind [1]	
Experiment, Dust Detector [1]	
Pallet Assembly No. 2 [1]	
Experiment, Heat Flow [1]	
Stool, PSE Leveling [1]	
Generator, Radioisotope [1]	
Tools ALSEP Deployment [1]	
Side/CCGE	
Tool, Extension [1]	
Tongs, 32 inch [2]	
Gnomon [1]	
Lunar Geology Experiment Tool Carrier with tools [1]	
Scoop, Adjustable Sampling [1]	
Hammer [1]	
Drill Assembly, Apollo L.S. [1]	
Penetrometer Assembly, Self Recording [1]	
Accessory Holder Assembly, Penetrometer (includes (e)) [1]	
Rake, Lunar Sampling [1]	
(a) PLSS [1]	
(a) EVCS-1[1]	
(a) Battery, PLSS [1]	
(a) Cartridge, LIOH [1]	
(b) PLSS [1]	
(b) EVCS-2 [1]	
(b) Battery, PLSS [1]	
(b) Cartridge, LIOH [1]	
(c) CTV Camera, Color TV [1]	
(c) TV control unit	

(d) Lunar Communication Relay Unit (LCRU) [1]	
(d) Stowage container, LCRU Ancillary Items [1]	
(d) Batteries , LCRU [3]	
(d) Hi-Gain Antenna Assembly [1]	
(d) Lo-Gain Antenna Assembly [1]	
(e) Large Base Assembly [1]	
(e) Cone, .2 [1]	
(e) Cone, .5 [1]	
(e) Cone Assembly, 1.0 [1]	
(e) Cover Assembly [1]	
Kit, Lee-Waist, Tether [1]	
U.S. Marine Corps flag	
Falcon feather	
Portrait of James Irwin	
Bible (left on LRV Dashboard by James Irwin)	
Microfilm roll containing Apollo 11 Manned Flight Awareness booklet	
100 2-dollar bills	
Personal Preference Kits left in Lunar Module	
Document proclaiming "University of Michigan Alumni of the Moon"	

OBJECT	LOCATION
<i>Apollo 16 - Landing Location -8.973 ° N, 15.31 ° E</i>	
Apollo 16 Subsatellite (PFS-2)	Lunar Far Side
Ascent Stage	UNKNOWN
Passive Seismic Experiment (see below)	
Active Seismic Experiment (see below)	
Lunar Surface Magnetometer (see below)	
Radioisotope Thermal Generator (see below)	
Lunar Roving Vehicle (see below)	
Far Ultraviolet Camera/Spectrograph (see below)	
Central Station	-8.97537 ° N, 15.49812 ° E
LM Descent Stage (plaque attached)	-8.97301 ° N, 15.50019 ° E
Filter, Polarizing [1]	
Camera , Hasselblad-Electric Data [1]	
Lens, 60mm [2]	
Protective cover, Reseau [3]	
Trigger, Hasselblad-Electric Data [2]	
Handle, Hasselblad- Electric Data [2]	
Tether EVA Retractable (CDR) [1]	
Brush , Lens [3]	
Camera/Power Pack Assembly 16mm L.S. ( includes (a)) [1]	
Tether, EVA Retractable -(LMP) [1]	
Utility Towel Assembly LM [1]	
Defecation Collection Device [1]	
Boots, Lunar Pair [2]	
Life Line, Lunar Equip. (LELL) [1]	
PLSS/EVCS Assy.-LMP (includes (b)) [1]	
PLSS/EVCS Assy., CDR (includes (c)) [1]	
Bag, Jettison stowage [4]	
Dispenser, Tissue [1]	
LCG Adapter [2]	
Jacket Assy., ICG [2]	
Trouser Assy., ICG [2]	
Boot, Right , ICG [2]	
Boot, Left, ICG [2]	
Towels, LM utility (Red) [2]	
Towels, LM Utility (Blue) [2]	
Brush, Lunar Dust [1]	
Buddy SLSS Assembly [1]	
Sleeping Restraint Assembly [2]	
Tool Carrier, PLSS (CDR) [1]	
Tool Carrier, PLSS (LMP) [1]	
Strap , LCRU Retainer [1]	
Helmet and LEVA Interim stowage container Assembly [1]	

Food Assy. LM (A/S) [1]	
In-Suit Beverage Assembly [4]	
In-Suit Food Bar Assembly [6]	
Food Assy., LM (D/S Pallet No. 1) [1]	
Food Assy., LM (D/S Pallet No. 2) [1]	
Wet Wipes, Facial [1]	
GCTA- Ground Controlled TV Assy. (includes (d)) [1]	
Communication Relay System (includes (e)) [1]	
Lunar Roving Vehicle [1]	
Flag Kit, Lunar Surface [1]	
Staff, 16mm Camera [1]	
Holder, Map LRV [1]	
Adapter Assy., 20 DSBD 70mm Hasselblad, *- 303B [1]	
Staff Loop Assy., 16mm Camera [1]	
Staff Loop Assy., Low Gain [1]	
Sunshade, GCTA [1]	
Adapter, SRC/Ops [2]	
Canister, ECS LIOH [1]	
Urine Collection Assy. (Small) [1]	
Bag, Emesis [1]	
Bag, Equipt. Transfer [1]	
Tripod, TV [1]	
Strap, ECS LIOH Canister [1]	
Strap LIOH [1]	
Urine, Receptacle System [1]	
Pallet Assy. No. 1, Equipment Transfer [1]	
Pallet Assy. No. 2, Equipment Transfer [1]	
Pallet Assy. No. 4, Equipment Transfer [1]	
Hammock Assembly [1]	
Hammock Assembly [1]	
Container, Buddy SLSS Assy., stowage [1]	
Pallet, LRV Aft Chassis [1]	
Pallet, Quad 3- Payload [1]	
Webbing, Tie-down Contingency [1]	
Vise Device, Drill string [1]	
Bag, stowage. 500mm System [1]	
Canister, ECS LIOH [1]	
Strap Assy., Sleep Restraint [2]	
Container, Bore/Core Stem Stowage [1]	
Cover, Bore/Core Stem Stowage [1]	
Retainer Assy., Lower [1]	
Retainer Assy., Upper [1]	
Cover Assy., Retainer [1]	
Spacer (Bore and Core Stem Stowage) [1]	
Spacer (Bore and Core Stem Stowage) [1]	

Stowage Retainer, GCTA Sunshade [1]	
Stowage Strap Assy., GCTA Sunshade [1]	
Mounting Assy., Rtg. Fuel Cask [1]	
Fuel Cask [1]	
Fuel Capsule Assy. [1]	
Pallet Assy. No. 1 (includes (f)) [1]	
Pallet Assy. No. 2 (includes (g)) [1]	
Tool Extension [2]	
Tongs, 32 inch [2]	
Gnomon [1]	
Cosmic Ray Detector Package [1]	
Magnetometer, Lunar Portable [1]	
Lunar Geology Exper. Tool Carrier (includes (h)) [1]	
U V Camera, L.S. [1]	
Drill Assy., Apollo L.S. [1]	
Penetrometer Assy., Self Recording [1]	
Accessory Holder Assy. (Penetrometer) [1]	
Rake, Lunar Sampling [1]	
Bore Stem, Lower [2]	
Bore stem, Upper [4]	
Bits, Solid Face Bore [2]	
Bit, Open Face Core [1]	
Reducer, Core Bit [1]	
Bag, Core Stem Teflon [1]	
Bag, Core Stem Teflon [1]	
Camera, 16mm Battery operated [1]	
Lens, 10mm, 16mm Battery Operated camera [1]	
Handle , 16mm Battery Operated Camera [1]	
Power Pack, 16mm Battery Operated Camera [1]	
RCU Bracket, 16mm Battery Operated Camera [1]	
(d) CTV camera, color TV [1]	
(d) TCU (Television control unit) [1]	
(d) stowage container, LCRU ancillary items [1]	
(e) Batteries, LCRU [2]	
(e) Antenna assembly, hi gain [1]	
(e) Antenna assembly lo gain [1]	
(f) Experiment, passive seismic [1]	
(f) Experiment, Active seismic [1]	
(f) Experiment, heat flow [1]	
(g) Stool , PSE leveling [1]	
(g) Generator, radioisotope, thermoelectric [1]	
(g) Tools, ALSEP deployment [1]	
(g) Anchor, ASE-cable [2]	
(f) Magnetometer, Lunar surface [1]	
Large Base Assembly [1]	

Cone, .20 [1]	
Cone Assembly, 1.0 [1]	
Cover Assembly [1]	
(a) Camera , 16mm, battery operated [1]	
(a) Lens, 10mm, 16mm battery operated camera [1]	
(a) Handle , 16mm battery operated camera [1]	
(a) Power pack, 16mm battery operated camera [1]	
(a) RCU bracket, 16mm battery operated camera [1]	
(b) PLSS [1]	
(b) EVCS-1 [1]	
(b) Battery, PLSS [1]	
(b) Cartridge, LIOH [1]	
(b) Cover, gas connector [1]	
(b) Cover, MWC dust (multiple water connector) [1]	
(b ) Cover, electrical connector, dust [1]	
(c) PLSS [1]	
(c) EVCS-2 [1]	
(c) Battery, PLSS [1]	
(c) Cartridge, LIOH [1]	
(c) Cover, gas connector [1]	
(c) Cover, MWC dust (multiple water connector) [1]	
(c) Cover, electrical connector, dust [1]	
Cone, .5 [1]	
Camera, L.S. Electric [1]	
Lens , 500mm [1]	
Ringsight [1]	
Shelf, interim stowage [1]	
Garment , liquid cooling [1]	
Remote control unit-PLSS [2]	
Bracket, camera mount (-7) [2]	
Cartridge, container assy., PLSS/LIOH [4]	
Container Assy., protective, PLSS/LIOH [4]	
Cartridge, PLSS/LIOH [4]	
Battery, PLSS (-7) [4]	
Kit, Lec-waist tether [1]	
Bag Assy., Lec-waist [1]	
Lifeline (lightweight) [1]	
Bag, deployment, lifeline [1]	
Tether, waist, EVA, left [1]	
Tether, waist, EVA, right [1]	
Straps [2]	
Lifeline, lunar equipment (LELL) [1]	
(h) Scoop, large adjustable [1]	
(h) Hammer [1]	
(h) Tool Assy., drive tube [1]	



Charles Duke family photograph	
Silver medallion for 25 <sup>th</sup> anniversary of U.S. Air Force	
Tie tack	

OBJECT	LOCATION
<b><i>Apollo 17 - Landing Location 20.10 ° N, 30.46 ° E</i></b>	
S-IVB	-4.167 ° N, -12.33 ° E
Surface Electrical Properties Experiment Receiver-Recorder (see below)	
Surface Electrical Properties Experiment Transmitter (see below)	
Lunar Ejecta and Meteorite Experiment (see below)	
Module & Cable Reels of Lunar Seismic Profiling Experiment (see below)	
Lunar Seismic Profiling Experiment (see below)	
Lunar Mass Spectrometer (see below)	
Traverse Gravimeter Experiment (see below)	
Lunar Surface Gravimeter (see below)	
Radioisotope Thermal Generator (see below)	
Lunar Roving Vehicle (see below)	
Ascent Stage	19.96 ° N, 30.50 ° E
Central Station	20.19209 ° N, 30.76492 ° E
LM Descent Stage (plaque attached)	20.19080 ° N, 30.77168 ° E
Filter, Polarizing [1]	
Camera, Hasselblad-Electric, Data [2]	
Lens, 60mm [2]	
Adapter Bracket, Rt. Angle, (16 mm DAO) [1]	
Protective cover, Reseau [3]	
Trigger, Hasselblad, Electric Data [2]	
Handle, Hasselblad- Electric Data [2]	
Tether EVA Retractable [2]	
Brush, Lens [2]	
Camera, L. S. Electric [1]	
Lens , 500mm [1]	
Ringsight [1]	
Shelf, Interim stowage [1]	
Wrist Mirror [2]	
Watchband [2]	
Remote Control unit- PLSS [2]	
Bracket, camera mount (-7) [2]	
Cartridge Cont. Assy., PLSS/LIOH [4]	
Container Assy., Protective- PLSS LIOH [4]	
Cartridge, PLSS LIOH [4]	
Utility Towel Assy., LM [1]	
Defecation Collection Device [12]	
Gloves, EV Pair [2]	
Boots , Lunar pair [2]	
Kit, LEC waist tether (a) [1]	
Lift Line, Lunar equipment (LELL) [1]	
PLSS/EVCS Assy.-LMP [1]	
PLSS [1]	

EVCS-2 [1]	
Battery, PLSS [1]	
Cartridge, LIOH [1]	
Cover , Gas connector [1]	
Cover, MWC Dust (Multiple Water Connector) [1]	
Cover, Electrical connector, Dust [1]	
PLSS/EVCS Assy.- Cdr [1]	
PLSS [1]	
EVCS-1 [1]	
Battery, PLSS [1]	
Cartridge, LIOH [1]	
Cover, Gas connector [1]	
Cover, MWC dust (Multiple Water Connector) [1]	
Cover , Electrical connector, Dust [1]	
Bag, Jettison stowage [4]	
Dispenser, Tissue [2]	
LCG Adapter [2]	
Jacket assy., ICG [2]	
Trouser assy., ICG [2]	
Boot, right ICG [2]	
Boot, left ICG [2]	
Towels, LM, Utility (Red) [2]	
Towels , UK Utility (Blue) [2]	
Brush, Lunar Dust [1]	
Device, In-suit, Drinking [4]	
Buddy, SLSS Assy. [1]	
Sleeping Restraint Assy. [2]	
Tool carrier, PLSS (Cdr) [1]	
Tool Carrier, PLSS (LMP) [1]	
Strap, LCRU Retainer [1]	
Helmet and LEVA interim stowage container assembly [1]	
Antenna Repair Kit, Ops [1]	
Lanyard, IV ITLSA Donning [1]	
Bag, LM Personal Hygiene Kit [1]	
Nail Clippers [1]	
Soap [1]	
Food Assy., LM(A/S) [1]	
Food Assy., LM (D/S Pallet No. 1) [1]	
Wet Wipes, Facial [1]	
Ointment, Mycolog Bact. [1]	
GCTA-Ground controlled television assembly [1]	
CTV-Camera, color TV [1]	
TCU-Television control unit [1]	
Stowage mount assy., TV camera [1]	
Communication relay system [1]	

LCRU, (Lunar communications relay unit) [1]	
Stowage container; LCRU ancillary items [1]	
Batteries , LCRU [2]	
Antenna Assy., Hi-gain [1]	
Antenna Assy., Lo-gain [1]	
Helper spring assy., TCU cradle [1]	
Lunar Roving Vehicle [1]	
Flag kit, Lunar surface [1]	
Adapter assy., 20 DSBD 70mm Hasselblad [2]	
Staff Loop assy. Lo-gain [1]	
Sun Shade, GCTA [1]	
Staff Assy., LRV accessory [1]	
Map holder adapter, loop assy. [1]	
Map holder, LRV [1]	
Loop Assy., adapter [1]	
Adapter, SRC/Ops [2]	
Canisters, ECS LIOH [1]	
Urine collection assy. (small) [1]	
Bag, Emesis [1]	
Bag, Equipment transfer [1]	
Straps, ECS LIOH canister [1]	
Strap LIOH [1]	
Urine receptacle system [1]	
Pallet assy. No.1, Equipment transfer [1]	
Pallet assy. No.2, Equipment transfer [1]	
Pallet assy. No.4, Equipment transfer [1]	
Hammock assembly [1]	
Hammock assembly [1]	
Container, Buddy SLSS assy., Stowage [1]	
Pallet, LRV aft chassis [1]	
Pallet , Quad 3- Payload [1]	
Webbing, Tie-down contingency [1]	
Vise device, Drill string [1]	
Bag, Stowage, 500mm system [1]	
Canister, ECS LIOH [1]	
Strap assy., Sleep restraint [1]	
Container , Bore/Core stem stowage [1]	
Cover, Bore/Core stem stowage [1]	
Retainer assy., Lower [1]	
Retainer assy., Upper [1]	
Cover assy., Retainer [1]	
Spacer (Core and Bore stem stowage) [1]	
Spacer (Core and Bore stem stowage) [1]	
Stowage Retainer, GCTA sunshade [1]	
Stowage strap assy., GCTA sunshade [1]	

Bag, Neutron probe, Thermal [1]	
Mounting Assy., Rig. Fuel cask [1]	
Fuel cask [1]	
Fuel capsule assembly [1]	
Pallet assy., No. 1 [1]	
Lunar seismic profiling experiment (S-203) [1]	
Lunar mass spectrometer (S-205) [1]	
Gravimeter, Lunar surface (S-207 ) [1]	
Pallet assy., No.2 [1]	
Heat flow experiment (S-037) [1]	
Generator, Radioisotope thermoelectric [1]	
Tools , ALSEP deployment [1]	
Lunar ejecta & micrometeoroid experim. (S-202) [1]	
Tool extension [2]	
Tongs [2]	
Gnomon [1]	
Scoop, large adjustable [1]	
Hammer [1]	
Tool Assy., Drive tool [1]	
Transmitter, Sep. exp. [1]	
Receiver, Sep. exp. [1]	
Gravimeter, Traverse (S-199) [1]	
Drill assy., Apollo L. S. [1]	
Rake, Lunar sampling [1]	
Bore stem, Lower [2]	
Bore stem, Upper [4]	
Transport module assy.,(LSP charges) [1]	
Transport module assy., (LSP charges) [1]	
Bits, solid face bore [2]	
Reducer, core bit [1]	
Sampler, LRV soil [1]	
Bag, Core stem Teflon [1]	
Bag, Core stem Teflon [1]	
Earplug and overwrap pouch assy. [1]	
Food assembly, (D/S Pallet No.2) [1]	
Battery, PLSS (-7) [4]	
(a) Bag Assy., LEC+wt. [1]	
Garment, constant wear [2]	
Garment , liquid cooling [2]	

## Soviet Material

OBJECT	LOCATION
Luna 2	29.1 ° N, 0 ° E
Luna 5	8 ° N, -23 ° E
Luna 7	9.8 ° N, -47.8 ° E
Luna 8	9.1 ° N, -63.3 ° E
Luna 9	7.08 ° N, -64.37 ° E
Luna 10	
Luna 11	
Luna 12	
Luna 13	18.87 ° N, -62.05 ° E
Luna 14	
Luna 15	
Luna 16 descent stage	-0.513 ° N, 56.364 ° E
Luna 17 Lander	38.238 ° N, -34.997 ° E
Lunokhod 1	38.316 ° N, -35.004 ° E
Luna 18	3.760 ° N, 56.655 ° E
Luna 19	
Luna 20 descent stage	3.787 ° N, 56.625 ° E
Luna 21 Lander	26.003 ° N, 30.408 ° E
Lunokhod 2	25.827 ° N, 30.919 ° E
Luna 22	
Luna 23	12.666 ° N, 62.151 ° E
Luna 24 descent stage	12.714 ° N, 62.213 ° E

## Chinese Material

OBJECT	LOCATION
Chang'e 1 Orbiter	-1.50 ° N, 52.36 ° E

## Indian Material

OBJECT	LOCATION
Chandrayaan-1 Lunar Orbiter	South Pole
Moon Impact Probe	South Pole

## Japanese Material

OBJECT	LOCATION
Hiten spacecraft	55.3 ° N, -34.0 ° E
Hagoromo orbiter satellite	crash not confirmed
Kaguya orbiter (SELENE)	-65.5 ° N, 80.4 ° E
VRAD Subsatellite ("Ouna")	
Relay Subsatellite ("Okina")	

## ESA Material

OBJECT	LOCATION
SMART-1 (controlled crash)	-34.4 ° N, - 46.2 ° E